

**Appendix 1 (as supplied by the author). Diagnostic and procedure codes used to identify study variables**

Variable	ICD-9 diagnostic code(s)	ICD-10 diagnostic code(s)	Physicians' service claims (OHIP) codes	Procedure codes*
<i>Exclusion criteria: pre-existing liver disease or an alcohol-related condition<sup>†</sup></i>	570.x-573.x, 456.0-456.21, 996.82, 155.0, 155.2, 230.8, 782.4, 070.x, 291.x, 303.x, 305.0-305.03, 357.5, 425.5, 535.3, 535.31, 760.71, 790.3, 977.3, 980.x V42.7, V1007, V113, V79.1	K70.X-77.X, I85.X, I86.4, I98.2, R17.X, B15,X-19.X, Z72.1, Z13.3, F10.x, G62.1, I42.6, K29.2, P04.3, R78.X, T51.X, Z71.4,Z50.2, G31.2, Z86.4	Diagnostic codes: 571, 573, 155, 230, 787, 573, 070, 303, 291  Fee codes: E765, G254, S275, S294, S295, Z551, Z554	CCP: 62.x CCI: 10A13LAAG, 10A13LAW2, 10A13LAW3, 10A13LAX7, 10A13LAXXE, 10A13LAXXN, 10A16HAT9, 10A35H.X, 10A52H.X, 10A52LA, 10A58WLXX.X, 10A58LAXXK, 10A59DAAD, 10A59DAAG, 10A59DAGX, 10A59DAX7, 10A59HAX7, 10A59LAAD, 10A59LAAG, 10A59LAGX, 10A59LAX7, 10A74LA, 10A85LAXXK, 10A85VCXXK, 10A85WLXX.X, 10A87LA.X, 20A71.X,
<i>Censoring criteria: viral hepatitis, alcoholic liver disease, biliary cirrhosis or toxic liver failure</i>	070.x, 573.1 571.0-571.3 571.6	B15.X-19.X K70, K71.1 K74.3-K74.5	070	--
<i>Outcome: serious liver disease</i>				
Liver cirrhosis	571.15	K71.7, K74.0-K74.2, K74.6	--	--
Liver failure and its sequelae	570.0, 572.2-572.8, 456.0-456.21	K72, K76.6, K76.7	--	--
Liver transplant	V42.7, 996.82	--	Fee codes: G254, S294, S295	CCP: 62.4x CCI: 10A85LAXXK, 10A85VCXXK, 10A85WLXXJ, 10A85WLXXK
<i>Metabolic syndrome features</i>				
Obesity	278.0	E66.X	278	--
Dyslipidemia	272.0-272.5	E78.X	272	--
Arterial hypertension**	401.X-405.X	I10.X, I11.X, I12.X, I13.X, I15.X	401-403	--

\*Indicates coding by Canadian Classification of Procedures (corresponding to ICD-9 years) or Canadian Classification of Interventions (corresponding to ICD-10 years).

\*\*Based on the algorithm by Tu et al: 2 physician billing claims or 1 hospital discharge with a diagnosis of hypertension in a 2-year period<sup>1</sup>.

CCP Canadian Classification of Procedures; CCI Canadian Classification of Health Interventions; OHIP Ontario Health Insurance Plan

<sup>†</sup> Includes alcohol abuse and medical conditions related to alcohol (e.g. alcoholic liver disease, gastritis, cardiomyopathy, dementia and polyneuropathy)

**Reference**

1. Tu K, Campbell NR, Chen ZL, et al. Accuracy of administrative databases in identifying patients with hypertension. *Open Med* 2007;1:e18-26.